



\*\*2681.3K

Please type a plus sign (+) inside this box -> +

PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction	Act of 1995, no person	s are required to re	U.S. Patent and espond to a collection of i	i ragema informatio	rk Office: U.S. DEPARTMENT OF COMMERCE n unless it displays a valid OMB control number.
			Application Num		10/080,045
TRA	NSMITT	<b>TAL</b>	AL Filing Date		2/21/2001
		First Named Inventor		De et al.	
(to be used for all	correspondence afte	er initial filing)	Group Art Unit		2681 Only
			Examiner Name		HOLLISTIMOWII / WI
Total Number of	Pages in This Subm	ission 6	Attorney Docket N	lumber	I-2-0173.7US
.:		ENCL	OSURES (c	heck a	II that apply)
✗ Fee Transmittal Form	<u> </u>	Assignm	nent Papers Application)		After Allowance Communication to Group
Fee Attached		Drawing			Appeal Communication to Board of Appeals and Interferences
Amendment / Reply		Licensin	, ng-related Papers		Appeal Communication 6 Appeal Notice, Brief Manager
After Final		Petition			Proprietaly information
Affidavits/deci	laration(s)	Provisio	to Convert to a onal Application	lī	Status Letter
Extension of Time Re	Power of Change Address	of Attorney, Revocation of Correspondence	n	Other Enclosure(n) tolease	
Fireses Abandonna	ent Boguest	Termina			
Express Abandonme	ent Request	Reques	st for Refund		
Information Disclosur		CD, Nu	imber of CD(s)		RECEIVED
Certified Copy of Price Document(s)	ority	Remarks		•	AUG 1 3 2002
Response to Missing Incomplete Application			_		Technology Center 2600
Response to Munder 37 CFR					
	SIGNATU	IRE OF APPLI	CANT, ATTORNE	Y, OR A	GENT
	Jeffrey M. Gla	bicki			Reg. No. 42,584
or Individual name	Vplpe and Ko	enig, P.C.			
Signature	May Mr.	Humli			
Date	August 5, 200	)2			
		CERTIFIC	ATE OF MAILING	3	
nereby certify that this correspondence ddressed to: Commissioner for Patents			Service with sufficient postage	e as first cla	ss mail in an envelope August 5, 2002
Typed or printed name	Jeffrey M	. Glabicki			
Signature	Manuel VII	1. MANNA	· -	Date	August 5, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Volpe and Koenig Revision of PTO/SB/f7 (10-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## **FEE TRANSMITTAL** for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$)		C

Complete if Known						
Application Number	10/080,045					
Filing Date	2/21/2002	<u>2</u>				
First Named Inventor	De et al.	3/2				
Examiner Name	Not Yet Known	<u> </u>				
Group Art Unit	2681	V				
Attorney Docket No.	I-2-0173.7US					

METHOD OF PAYMENT	FEE CALCULATION (continued)					
The Commissioner is hereby authorized to charge	3. ADDITIONAL FEES	•				
Deposit Deposit	Large Small					
Account Number 22-0493	Entity Entity Fee	Fee Paid				
Deposit	Code (\$) Code (\$)					
Account Name VOLPE AND KOENIG, P.C.	105 130 205 65 Surcharge - late filing fee or oath					
Charge any Deficiencies or Credit any Overpayment in the Total Fees Associated With This Communication	127 50 227 25 Surcharge - late provisional filing fee or cover sheet					
Applicant claims small entity status.	139 130 139 130 Non-English specification					
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination					
2. Payment Enclosed: Check Credit card Money Other	112 920* 112 920* Requesting publication of SIR prior to Examiner action					
EEE CALCULATION	113 1,840° 113 1,840° Requesting publication of SIR after Examiner action					
FEE CALCULATION	113 1,840° 113 1,840° Requesting publication of SIR after Examiner action  115 110 215 55 Extension for reply within first month  116 400 216 200 Extension for reply within second month  117 920 217 460 Extension for reply within third month					
1. BASIC FILING FEE	116 400 216 200 Extension for reply within second month	ह ग्रे				
Large Entity Small Entity Fee Fee Fee Fee Description	117 920 217 460 Extension for reply within third month	<del></del>				
Code (\$) Code (\$) Fee Paid	118 1,440 218 720 Extension for reply within fourth month	<u> </u>				
101 740 201 370 Utility filing fee 106 330 206 165 Design filing fee	118 1,440 218 720 Extension for repty within fourth month 128 1,960 228 980 Extension for reply within fifth month	~ <				
107 510 207 255 Plant filing fee	119 320 219 160 Notice of Appeal	9 1				
108 740 208 370 Reissue filing fee	119 320 219 160 Notice of Appeal 120 320 220 160 Filing a brief in support of an appeal	2				
114 160 214 80 Provisional filing fee	121 280 221 140 Request for oral hearing					
	138 1,510 138 1,510 Petition to institute a public use proceeding					
SUBTOTAL (1) (\$) 0	140 110 240 55 Petition to revive - unavoidable					
2. EXTRA CLAIM FEES Fee from	141 1,280 241 640 Petition to revive - unintentional					
Extra Claims below Fee Paid						
Total Claims ** = X =	143 460 243 230 Design issue fee					
Claims	144 620 244 310 Plant issue fee					
Multiple Dependent	122 130 122 130 Petitions to the Commissioner					
Large Entity Small Entity	123 50 123 50 Processing fee under 37 CFR 1.17(q)					
Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt	···-				
Code (\$)	581 40 581 40 Recording each patent assignment per property (times number of properties)					
102 84 202 42 Independent claims in excess of 3	146 740 246 370 Filing a submission after final rejection (37 CFR § 1.129(a))					
104 280 204 140 Multiple dependent claim, if not paid	149 740 249 370 For each additional invention to be					
109 84 209 42 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b))					
110 18 210 9 ** Reissue claims in excess of 20	179 740 279 370 Request for Continued Examination (RCE)					
and over original patent	169 900 169 900 Request for expedited examination of a design application					
SUBTOTAL (2) (\$) 0	Other fee (specify)					
**or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)	0				

SUBMITTED BY		Complete (if applicable)					
Name (Print/Type)	Jeffrey M. Glabicki	Registration No. (Attorney/Agent)	42,584	Telephone	215-568-6400		
Signature	Julian Mr. Alexander			Date	9/5/02		

WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

the **PATENT APPLICATION** of:

De et al.

**Application No.:** 10/080,045

Confirmation No.: 8044

Filed:

2/21/2002

For: SINGLE USER DETECTION BASE

**STATION** 

Group:

2681

Examiner:

Not Yet Known

Our File: I-2-0173.7US

Date: August 5, 2002

RECEIVED

AUG 1 3 7002

**Technology Center 2600** 

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

Respectfully submitted,

De et al.

Jeffrey M. Glabicki

Registration No. 42,584

(215) 568-6400

Volpe and Koenig, P.C. Suite 400, One Penn Center 1617 John F. Kennedy Boulevard Philadelphia, PA 19103 JMG/jrd Enclosures

6	P	R	
AUG	0 9	2002	25
(A)	TRA	DEMAR	5/

Sheet	1	of	1

## **FORM PTO-1449**

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY.	DOCKET	NO.
1-2-	0173.7U	S

SERIAL NO. 10/080,045

APPLICANT De et al.

FILING DATE 2/21/2002

GROUP 2681

	(Use s	eve	erai s	neets	IT E	ece	ssa	ry)					
						U	J.S.	PATENT	DOCUMENTS				
EXAMINER INITIAL			DOC	CUMENT	NUME	ER		DATE	NAME	CLASS	SUBCLASS		DATE IF
										FOE	·ED		
										ECE			
									ŀ	UG I	2002		
	,								Tech	ology C	enter 26	þo	
	,			•		FOF	REI	GN PATE	NT DOCUMENTS				
	-		DO	CUMENT	NI IM	RED.		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
		L		1	T	 T	1					YES	NO
	-	Ц			<u> </u>		_			ļ	<u> </u>		
				l			<u> </u>						
(	OTHER	D	ocu	JMEI	NTS	(lı	nclu	iding Aut	hor, Title, Date, Pert	inent P	ages, l	Etc.)	
	AG		Hyb	Benvenuto N. et al. "Joint Detection With Low Computational Complexity For Hybrid TD-CDMA Systems" VTC 1999-Fall. IEEE VTS 50th. Vehicular Technology Conference. Gateway to the 21st Century Communications Village. Amsterdam, Sept. 19-22, 1999, IEEE Vehicular Technology Conference, NY									
	АН		Vandaele P. et al. "Recursive Total Least Squares Algorithm for Sincle-User Blind Channel Equalisation: IEE Proceedings: Vision, Image and Signal Processing, Instutution of Lectrical Engineers, FB, Vol 147, No. 3, 23 June 2000										
EXA	MINER								DATE C	ONSIDE	RED		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.